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NOTICE OF ALLOWANCE AND FEE(S) DUE

210

7590

03/19/2008

MERCK AND CO., INC P O BOX 2000 RAHWAY, NJ 07065-0907 EXAMINER

HUTSON, RICHARD G

ART UNIT PAPER NUMBER

1652

DATE MAILED: 03/19/2008

APPLICATION NO.	APPLICATION NO. FILING DATE FIRST NA		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,476	02/27/2002	Raffaele De Francesco	IT0002PCA	5843

TITLE OF INVENTION: METHOD FOR IDENTIFYING A HCV RNA-DEPENDENT RNA POLYMERASE INHIBITOR

APPLN	. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprov	visional	NO	\$1440	\$300	\$0	\$1740	06/19/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CO	ONFIRMATION NO.
10/085,476 TITLE OF INVENTION	02/27/2002 I: METHOD FOR IDEN	TIFYING A HCV RNA-	Raffaele De Frances DEPENDENT RNA P		MERASE INHIB	ITOR	IT0002PCA		5843
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740		06/19/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	SS					
HUTSON, F	RICHARD G	1652	435-193000						
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA	" Indication form	data will appear on th T a substitute for filing	inative single or a attor l be por type ne pag an a	ely, e firm (having as a gent) and the nameneys or agents. If printed. e) ttent. If an assignessignment.	membes of uno name	er a 2p to lee is 3lentified below, the definition	ocum	ent has been filed for
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5. Change in Entity Sta a. Applicant claim	i tus (from status indicated is SMALL ENTITY statu		☐ b. Applicant is no	long	ger claiming SMAI	L EN	ΓΙΤΥ status. See 37 Cl	FR 1.	27(g)(2).
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	an th	ne applicant; a regi	stered :	attorney or agent; or th	ie ass	ignee or other party in
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an application. Confiden	tiality is governed by 35 dapplication form to the ions for reducing this but irginia 22313-1450. DO	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	1.14. This collection i depending upon the i	s esti ndiv	imated to take 12 r idual case. Anv co	ninutes mment	to complete, including on the amount of time	ig gat me vo	hering, preparing, and ou require to complete

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RAHWAY, NJ 07065-0907			1652			
			DATE MAILED: 03/19/200	8		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 454 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 454 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/085,476	DE FRANCESCO ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Richard G. Hutson	1652		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	orrespondence address plication. If not included n will be mailed in due course. THIS		
1. X This communication is responsive to board decision of 11/	<u>15/2007</u> .			
2. ☑ The allowed claim(s) is/are 20 and 21.				
3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the such as the such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the such as the application number (see 37 CFR 1) each sheet. Replacement sheet(s) should be labeled as such in the such as the application number (see 37 CFR 1) each sheet.	e been received. e been received in Application No. <u>O</u> cuments have been received in this of this communication to file a reply MENT of this application. iitted. Note the attached EXAMINER es reason(s) why the oath or declara st be submitted. son's Patent Drawing Review (PTO s Amendment / Comment or in the O . 84(c)) should be written on the drawi	national stage application from the complying with the requirements S AMENDMENT or NOTICE OF ation is deficient. 948) attached Office action of the back) of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL i	must be submitted. Note the		
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08),	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Da 7. ☒ Examiner's Amendi 8. ☒ Examiner's Stateme 9. ☐ Other	(PTO-413), te		

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sheldon Heber on 2/21/2008.

The application has been amended as follows:

Cancel claims 12, 14, 17, 18, 22 and 23.

In claim 20, part (b), change "affect" to "inhibit".

In claim 20, part (b), after "RNA polymerase activity" add "and thereby identifying an HCV RNA-dependent RNA polymerase inhibitor.

Additionally it is noted that the title of the patent application has been changed to more accurately reflect the subject invention. The new title reads " Method for Identifying a HCV RNA-dependent RNA polymerase Inhibitor".

The following is an examiner's statement of reasons for allowance: As stated in the reasons for allowance in this applications parent application, while the prior art (Tomei et al., Journal of Virology 67(7): 4017-4026, July 1993) teaches that the Hepatitis C virus (HCV) is considered to be the major etiologic agent of post-transfusion

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non-A, non-B hepatitis and that the NS5 region of the HCV polyprotein contains a GDD sequence characteristic of an RNA-dependent RNA polymerase (RdRp), the prior art does not specifically teach that the NS5B protein produced is enzymatically active, and based on the evidence that the NS5 protein is cleaved into two smaller products of 47 and 65 kDa, unlike that of flavivirus, there is not a reasonable expectation that the NS5b protein (p65, corresponding to SEQ ID NO; 1 from the HCV polyprotein) possesses RNA-dependent RNA polymerase activity.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard G. Hutson whose telephone number is 571-272-0930. The examiner can normally be reached on M-F, 7:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nashaat T. Nashed can be reached on 571-272-0934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

rgh 2/21/2008

/Richard G Hutson, Ph.D./ Primary Examiner, Art Unit 1652